AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions and listings of claims in the

Application:

1. (currently amended): A method for transferring MPOA packets in an ATM network, the method comprising:

determining by an MPOA server which has received an address resolution request packet from an MPOA client whether or not said address resolution request packet is to be forwarded to another MPOA server or another MPOA client based on layer 3 packet filter information.

2. (currently amended): The~~A~~ method for transferring MPOA packets according to claim 1, the method comprising :

transmitting by said MPOA client a source layer 3 address of the data packet that is to be a short cut, said source layer 3 address being added as an extension to the MPOA address resolution request packet; and

determining by said MPOA server whether or not said MPOA address resolution request packet is to be forwarded to the other MPOA server or the other MPOA client based on said source layer 3 address placed in the extension and a destination layer 3 address in the MPOA address resolution request packet received from said MPOA client, after verifying the layer 3 packet filter information.

3. (currently amended): The~A~ method for transferring MPOA packets according to claim 1, the method comprising :

said MPOA client notifying a source layer 3 address processor by a client MPOA packet processor in said MPOA client of a MPOA address resolution request operation and a source layer 3 address information;

said MPOA client judging by the source layer 3 address processor about whether or not an outer instruction of said MPOA address resolution request operation directs including the source layer 3 address in the MPOA packet extension; and

said MPOA client transmitting to an MPOA server by a client MPOA packet transmitting portion the MPOA address resolution request packet with the MPOA packet extension added at said client MPOA packet processor.

4. (currently amended): The~A~ method for transferring MPOA packets according to claim 1, the method comprising :

a MPOA packet receiving portion of said MPOA server receiving the MPOA address resolution request packet from said MPOA client;

a MPOA packet processor of said MPOA server checking about whether or not the source layer 3 address is included in the received MPOA address resolution request packet; and

when said source layer 3 address is included, said server MPOA packet processor obtaining the source layer 3 address and a destination layer 3 address;

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a layer 3 filter retrieving portion retrieving a layer 3 filter information using said source

layer 3 address and said destination layer 3 address as the key;

said server MPOA packet processor judging by whether or not to permit passage of the

filter; and

directing the execution of error processing,

wherein when passage of said filter is not permitted, directing the execution of processing

for forwarding the received MPOA address resolution packet to the other MPOA server or the

other MPOA client.

5. (currently amended): The~A~ method for transferring MPOA packets according to

claim 4, wherein the error processing is a process for transmitting the MPOA packet which

indicates that the address resolution has been failed toward the MPOA client.

6. (new): A system for transferring multi-protocol over asynchronous transfer mode

(MPOA) packets in an asynchronous transfer mode (ATM) network, said system including a

server, the server comprising:

an MPOA packet receiving portion configured to receive an address resolution request

packet from an MPOA client; and

an MPOA packet processor configured to determine, based on layer 3 packet filter

information, whether or not the address resolution request packet is to be forwarded, the

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forwarding being directed toward at least one of another MPOA server and another MPOA

client.

7. (new): The system of claim 6, wherein the MPOA client is configured to transmit a

source layer 3 address of the data packet that is to be a short cut, the source layer 3 address being

added as an extension to the MPOA address resolution request packet, and

said MPOA server is configured to determine, based on the source layer 3 address placed

in the extension and a destination layer 3 address in the MPOA address resolution request packet

received from the MPOA client, whether or not the MPOA address resolution request packet is

to be forwarded, after verifying the layer 3 packet filter information.

8. (new): The system of claim 6, comprising:

the MPOA client configured to notify a source layer 3 address processor by a client

MPOA packet processor in the MPOA client of a MPOA address resolution request operation

and a source layer 3 address information;

the MPOA client configured to judge by the source layer 3 address processor whether or

not an outer instruction of said MPOA address resolution request operation directs including the

source layer 3 address in the MPOA packet extension; and

said MPOA client configured to transmit to an MPOA server by a client MPOA packet

transmitting portion the MPOA address resolution request packet with the MPOA packet

extension added at the client MPOA packet processor.

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9. (new): The system of claim 6, comprising :

said MPOA packet processor of said MPOA server checking whether or not the source

layer 3 address is included in the received MPOA address resolution request packet; and

said server MPOA packet processor configured to obtain, when said source layer 3

address is included, the source layer 3 address and a destination layer 3 address;

a layer 3 filter retrieving portion arranged in the server, said layer 3 filter retrieving

portion configured to retrieve a layer 3 filter information using the source layer 3 address and the

destination layer 3 address as the key;

said server MPOA packet processor configured to judge whether or not to permit passage

of the filter and to direct the execution of error processing,

wherein when passage of said filter is not permitted, directing the execution of processing

for forwarding the received MPOA address resolution packet to the other MPOA server or the

other MPOA client.

10. (new): The system of claim 9, wherein the error processing is a process for

transmitting the MPOA packet which indicates that the address resolution has been failed toward

the MPOA client.